



July 26, 2010

**Joseph L. Jones II**  
Director of Governmental Affairs  
Iowa Finance Authority  
2015 Grand Avenue  
Des Moines, IA 50312

**Cost Estimate Methodology**  
Stanton Viking Center  
Stanton, Iowa

In regards to the cost estimate for the construction of the Stanton Viking Center, in Stanton, Iowa.

The estimate was prepared by this office in conjunction with the project manager for the project, Septagon Construction. The estimate's methodology was cost per unit, with unit costs derived from past and current similar projects and construction types.

The storm shelter's cost was also arrived at with the help of our structural engineer who has experience with storm shelter construction. FEMA architects also provided cost information for the preparation of the cost estimate.

Thank you,

Rick Emswiler

# ACTUAL BUDGET SUBMITTED WITH FEMA APPLICATION

## Safe Room Budget

Applicant: **City of Stanton**

Address: **P.O. Box 189**

Title of Project: **Stanton Viking Center Safe Room Construction Project**

*If applicable to your project*

Cost Categories		If applicable to your project	
		Total Costs	361-Allowable Costs
Planning/Engineering/Architecture/Design fees (after grant award)		\$ 75,000.00	\$ 75,000.00
Peer Review		\$ 2,500.00	\$ 2,500.00
Excavation		\$ 5,000.00	\$ 5,000.00
Surveys, tests, soil borings, etc, for protected portion		\$ 7,500.00	\$ 7,500.00
Building systems & components (see below)			
Foundation		\$ 28,000.00	\$ 28,000.00
Structural Systems		\$ 26,400.00	\$ 26,400.00
Walls		\$ 108,000.00	\$ 108,000.00
Ceilings		\$ 19,800.00	\$ 19,800.00
Roof		\$ 66,000.00	\$ 66,000.00
Doors & windows		\$ 21,000.00	\$ 21,000.00
Moisture protection		\$ 5,000.00	\$ 5,000.00
Below ground electrical lines from structure to exterior safe room			
Toilet & hand washing facilities located within the safe room		\$ 50,000.00	\$ 50,000.00
Ventilation		\$ 181,000.00	\$ 181,000.00
Permanent electrical lighting		\$ 40,000.00	\$ 40,000.00
Emergency electrical lighting		\$ 10,000.00	\$ 10,000.00
Emergency electrical outlets		\$ 5,000.00	\$ 5,000.00
Alternate source of power (i.e. generator, battery a minimum of 2 hrs.		\$ 80,000.00	\$ 80,000.00
ventilation or communication equipment		\$ 25,000.00	\$ 25,000.00
Steps/stairs, elevator lifts for safe room ingress-egress			
the structure (required for safe rooms)		\$ 25,000.00	\$ 25,000.00
Signage		\$ 2,500.00	\$ 2,500.00
communication to & from safe room)		\$ 5,000.00	\$ 5,000.00
Equipment & supplies (i.e. fire extinguishers, first aid kits)		\$ 5,000.00	\$ 5,000.00
Special Inspections		\$ 7,500.00	\$ 5,000.00
Operation & Maintenance plan			
Project Management (after grant award)		\$ 50,000.00	\$ 50,000.00
<b>Total HMGP Budget Requested (361 Allowable Costs)</b>		<b>\$ 850,200.00</b>	<b>\$ 850,200.00</b>

Complete the line-item cost estimate for your project in the worksheet. Please attach any supporting